Series D2W

2-3.5 Amps • 120/240 Vac • AC Output SIP

- **Triac Output**
- **Printed Circuit Board Mount**
- **Internal Snubber**
- **Zero Voltage Switching**

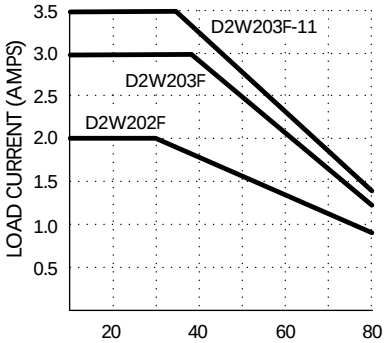
The D2W Series features an epoxy-coated package that provides exceptional environmental protection. Pinouts are compatible with Series 6 and OAC type I/O modules.

Manufactured in Crydom's ISO 9002 Certified facility for optimum product performance and reliability.

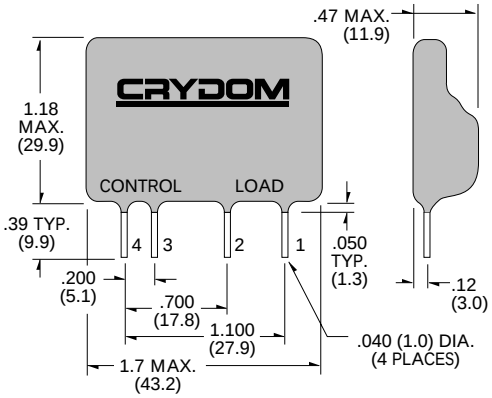
CRYDOM

Control over power

CURRENT DERATING CURVE



Max. Load Current vs. Temp.



PIN 1: AC LOAD
PIN 2: AC LOAD
PIN 3: +DC CONTROL
PIN 4: -DC CONTROL

All dimensions are in inches (millimeters)

MODEL NO.	D2W202F	D2W203F	D2W203F-11
INPUT SPECIFICATIONS ①			
Control Voltage Range	3-32 Vdc	3-32 Vdc	3-32 Vdc
Nominal Input Impedance	1500 Ohm	1500 Ohm	1500 Ohm
Typical Input Current @ 5 Vdc	3.0 mAdc	3.0 mAdc	3.0 mAdc
Must Turn On Voltage	3.0 Vdc	3.0 Vdc	3.0 Vdc
Must Turn Off Voltage	1.0 Vdc	1.0 Vdc	1.0 Vdc
OUTPUT SPECIFICATIONS ①			
Operating Voltage Range (47-63 Hz)	24-280 Vrms	24-280 Vrms	24-280 Vrms
Load Current Range	.06-2.0 Arms	.06-3.0 Arms	.06-3.5 Arms
Transient Over-Voltage	600 Vpk	600 Vpk	600 Vpk
Max. Surge Current, (16.6ms)	28 Apk	70 Apk	80 Apk
Min. Off-State dv/dt @ Max. Rated Voltage ③	200 V/µsec	200 V/µsec	200 V/µsec
Max.Off-State Leakage @ Rated Voltage	8 mArms	8 mArms	8 mArms
Max. On-State Voltage Drop @ Rated Current	1.4 Vpk	1.4 Vpk	1.4 Vpk
Max.Turn-On Time	1/2 cycle	1/2 cycle	1/2 cycle
Max. Turn-Off TIme	1/2 cycle	1/2 cycle	1/2 cycle
Power Factor (Min.) WIth Max. Load	0.5	0.5	0.5
GENERAL SPECIFICATIONS			
Dielectric Strength ②		4000 Vrms	
Insulation Resistance (Min.) @ 500 Vdc ②		10^9 Ohm	
Max. Capacitance		10 pF	
Ambient Operating Temperature Range		-30 to 80ºC	
Ambient Storage Temperature Range		-30 to 125ºC	
MECHANICAL SPECIFICATIONS			
Weight: (typical)		0.6 oz. (17 g)	
Encapsulation:		Thermally Conductive Epoxy	

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GENERAL NOTES

① All parameters at 25ºC unless otherwise specified.
② Dielectric and insulation resistance are measured between input and output.
③ Off-State dv/dt test method per EIA/NARM standard RS-443.

APPROVALS

UL E116950
CSA LR81689

CE

For recommended applications and more information contact:
USA: (800) 8 CRYDOM • (800) 827-9366 • (619) 715-7200 • fax (619) 715-7280
Crydom Corp, 9525 Chesapeake Drive, San Diego, CA 92123 • e-mail: sales@crydom.com
WEB SITE: http://www.crydom.com **FASTFAX Product Information:** (888) 267-9191
UK: (44)1202 812300 • fax (44)1202 812340 Crydom International Ltd., 85, Condor Close, Woolsbridge Industrial Estate, Three-Legged Cross. Wimborne, Dorset, England BH21 6SU
GERMANY: (49) (0)6874 182580 • fax (49)(0)6874 182585 Crydom GmbH, Gewerbegebiet Im Schachen, D-66687 Nunkirchen, Germany • e-mail: vertrieb@crydom.com

ISO 9002 CERTIFIED